Documentation for Q1 part A and B

Q1 part A)

Have created 3 functions countA() , countB() , countC() that count from 0 to (1-2^32) and they are being called by 3 new threads that being created in the main function.

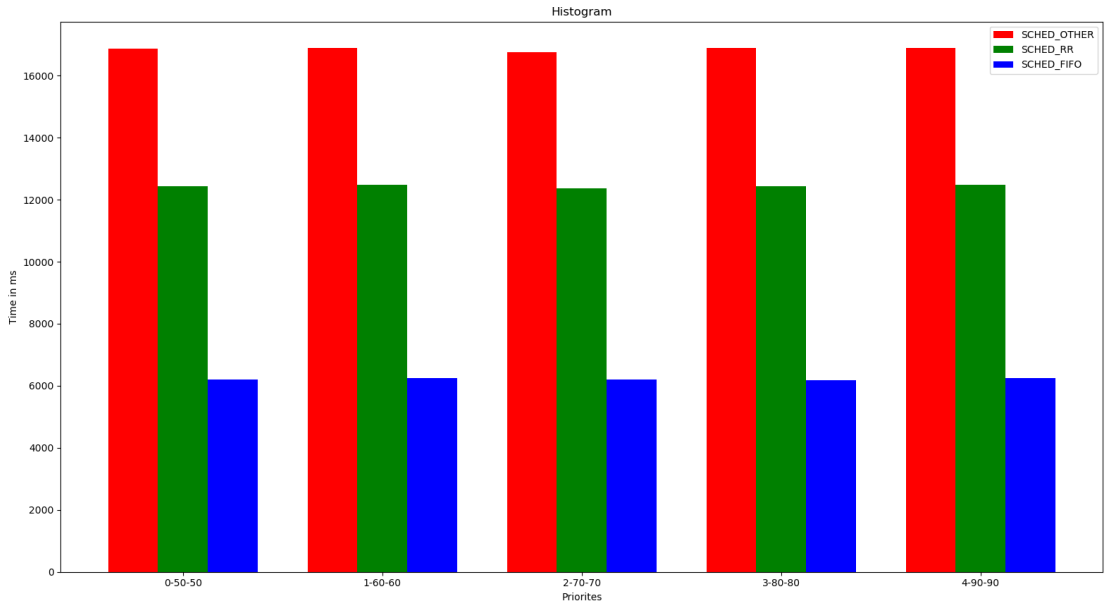
Each thread has its own scheduling priority, SCHED_OTHER, SCHED_RR, SCHED_FIFO.

Have used clock_gettime() function to return the running times of each of the threads.

All threads run parallelly and have the core affinity set to 0.

The findings all have the similar result of SCHED_OTHER being the slowest while SCHED_FIFO.

I have plotted the graph for the same using the histogram.py that plots the values that are received from the function



Q1 part B)

Created 3 processes with the help of pid_t and calculated its time.

Applied the idea of forking using fork() and executed the processes using execvp()